

Water Resources and
Watershed Committee

February 9, 2022

Item 3.1

Status of Water Supplies

Overview

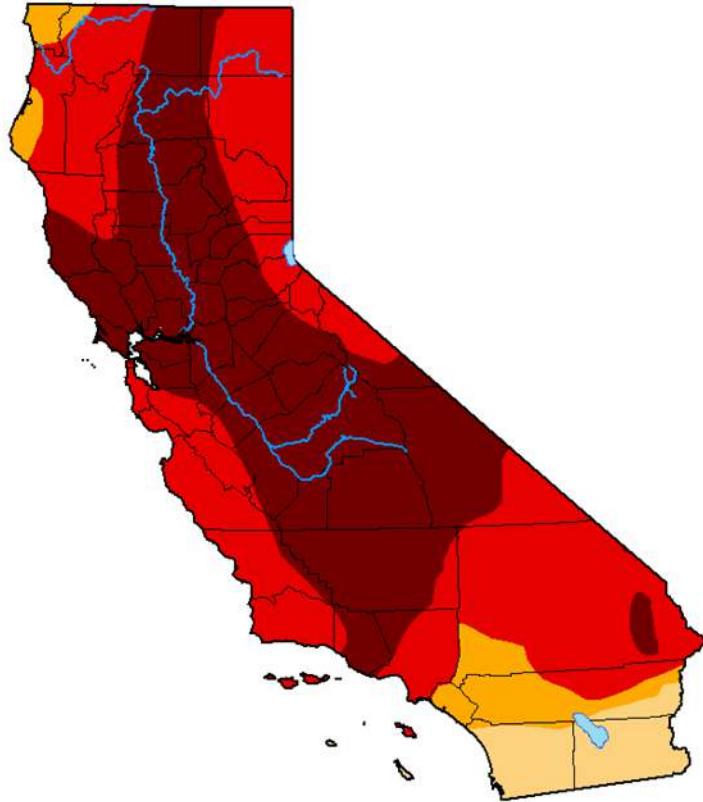
Water Supply Update

- Drought Classification
- Precipitation
- Reservoir Storage Updates
- Weather Forecast
- 2022 Operations



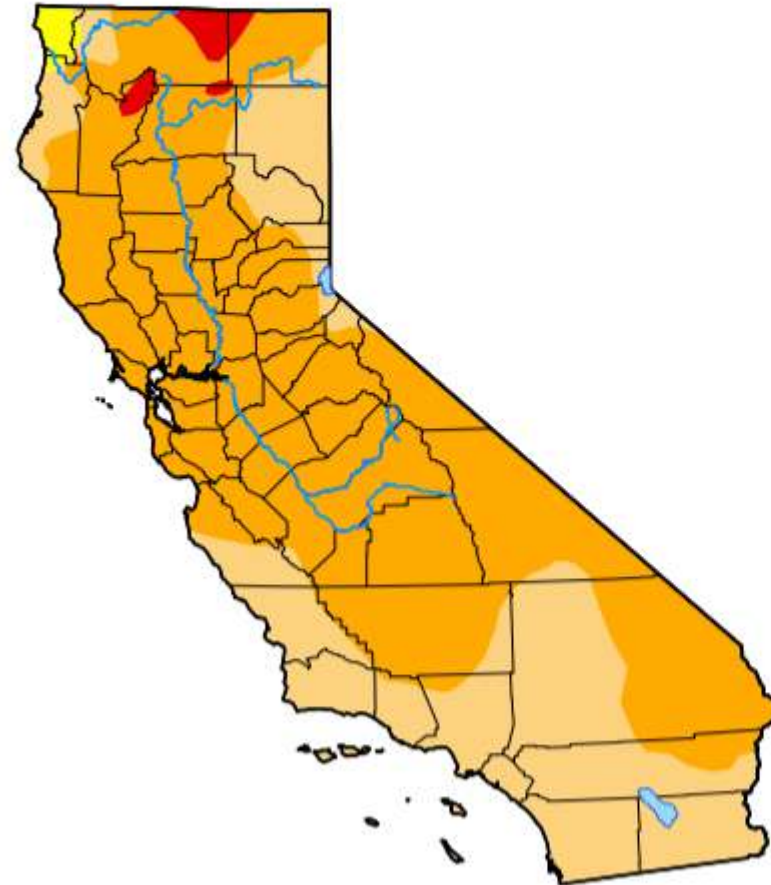
Drought Classification

September 28, 2021









U.S. Drought Monitor California

February 1, 2022
(Released Thursday, Feb. 3, 2022)
Valid 7 a.m. EST



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

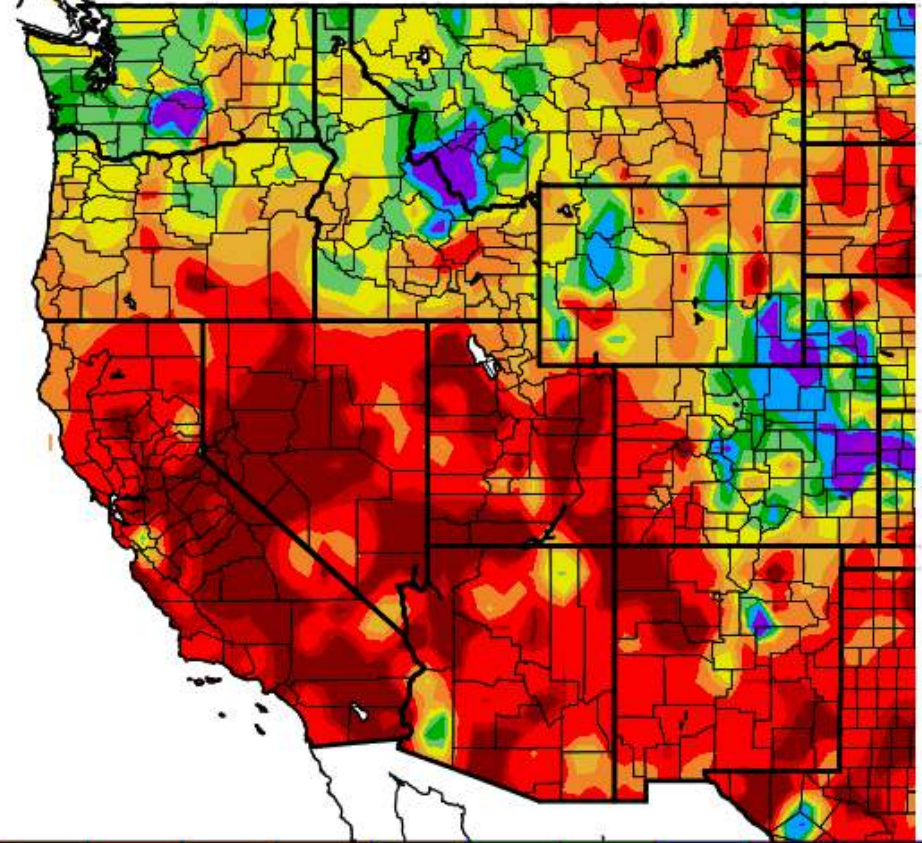
Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

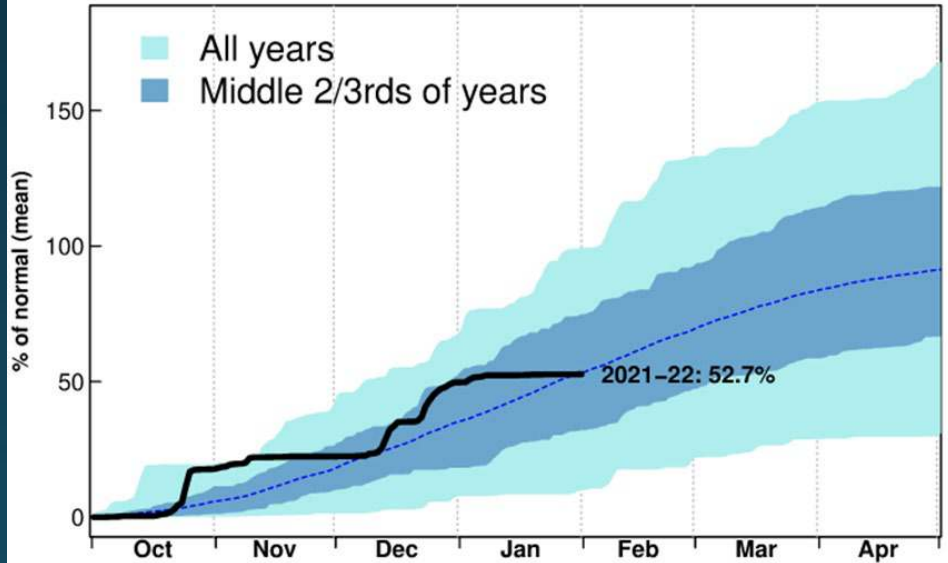
January Precipitation Statewide

Percent of Average Precipitation (%)
1/2/2022 - 1/31/2022

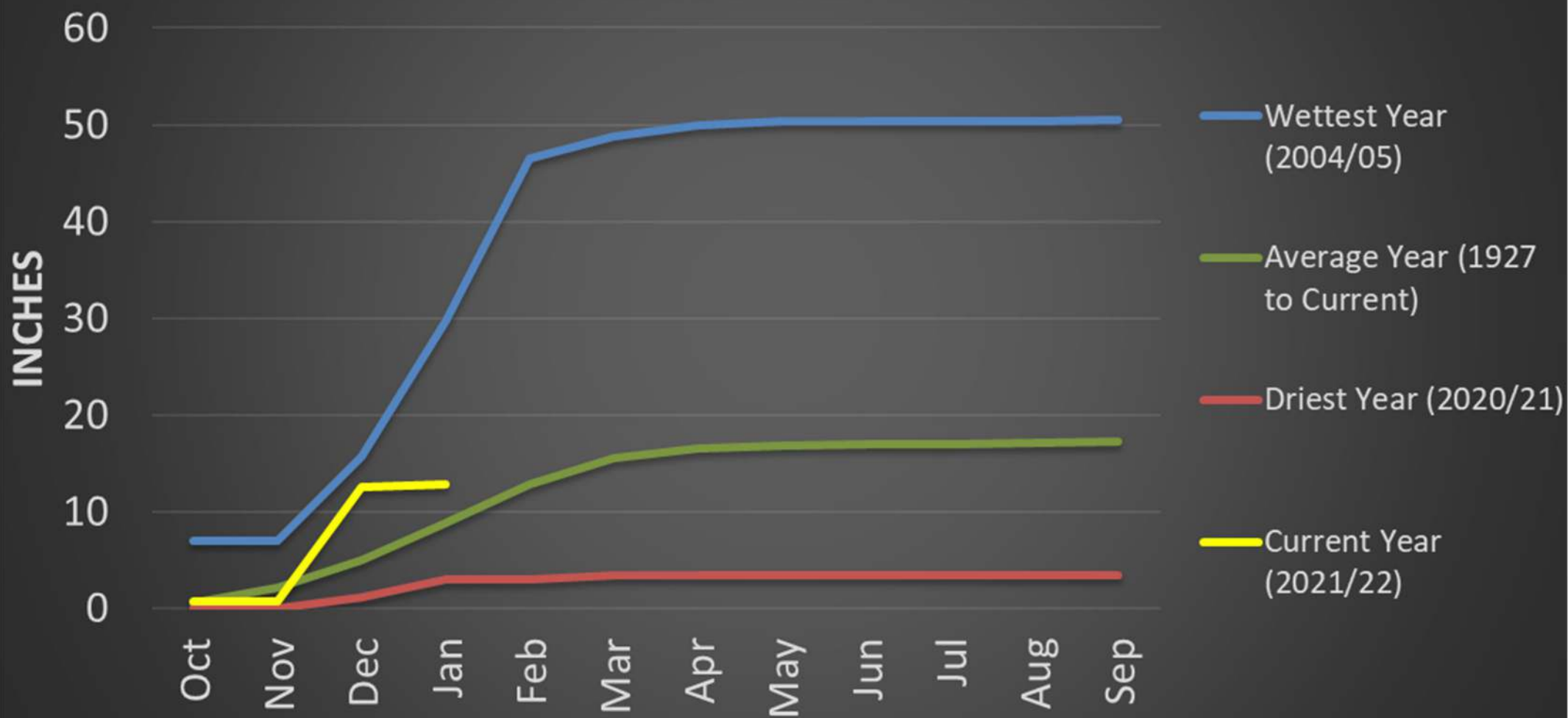


Generated 2/ 1/2022 at WRCC using provisional data.
NOAA Regional Climate Centers

all_CA precip for all years, data through 2022/01/31

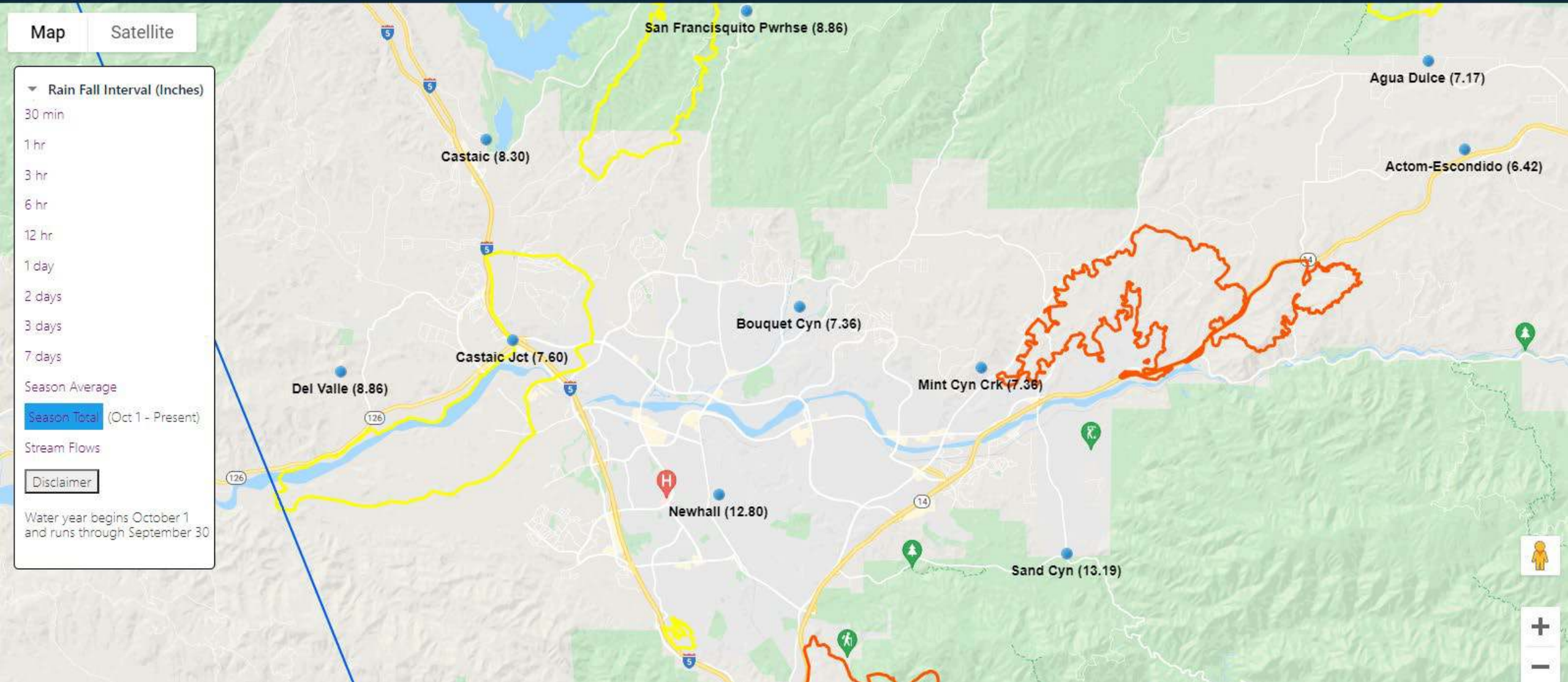


SCV Historical Rainfall

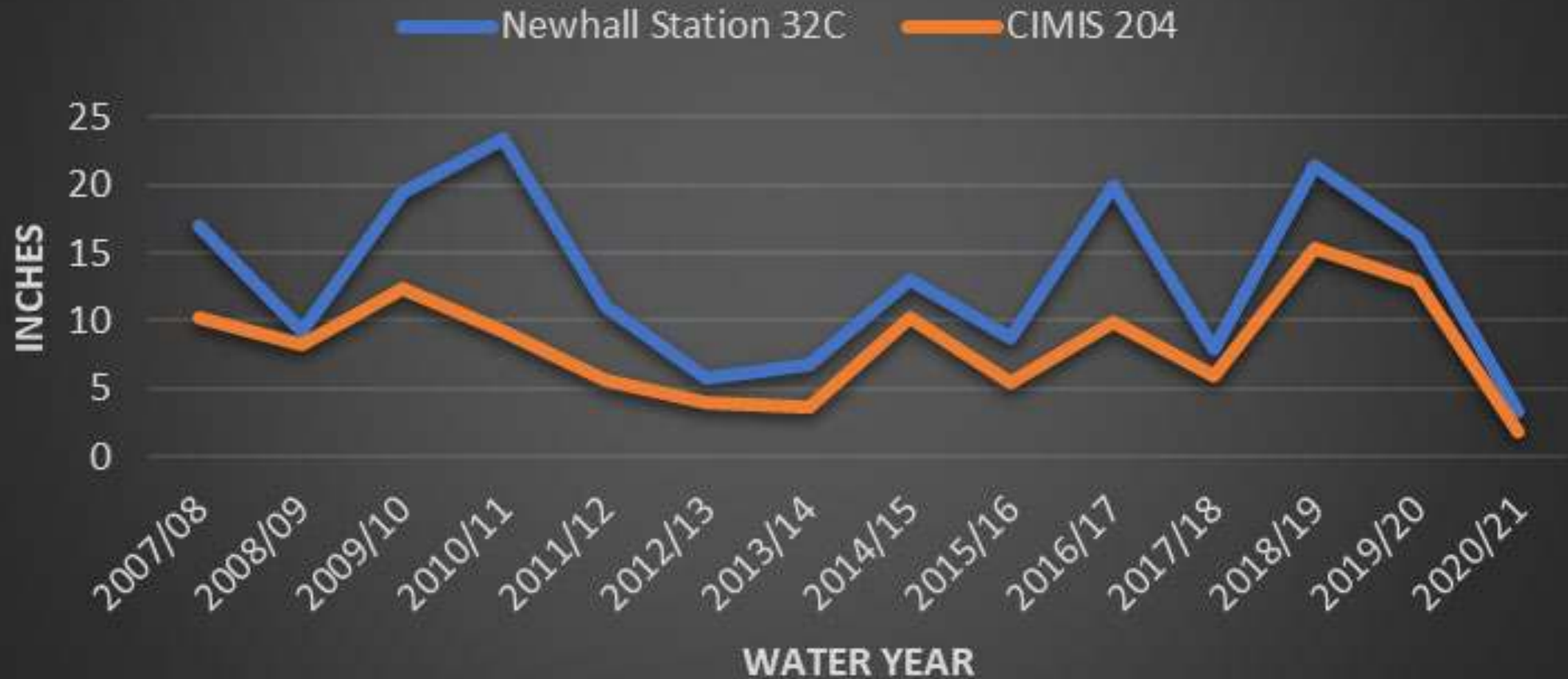


LA County Precipitation Stations

PUBLIC WORKS LOS ANGELES



Precipitation Comparison Newhall 32C vs. Rio Vista CIMIS



Santa Clara Watershed Precipitation

Santa Clara Watershed as of 02/05/2022

Water Year to Date: **11.56"**

% of Average: **117%**

Precipitation % of average for full water year through September 30th: **60%**

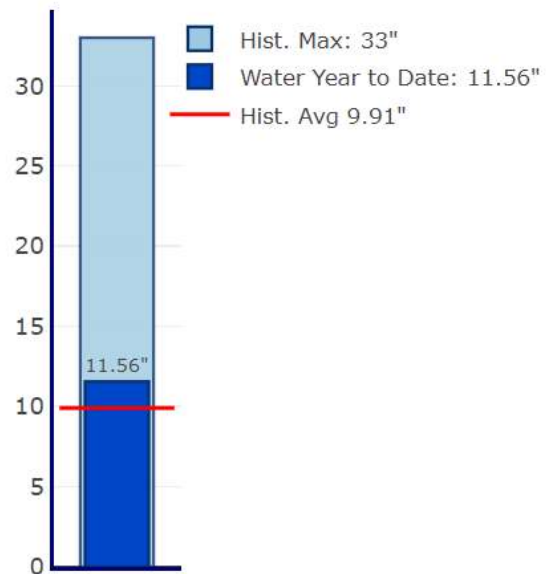
Historical Record to Date:

Max: **33"**

Mean: **9.91"**

Min: **1.33"**

[Download Image](#)

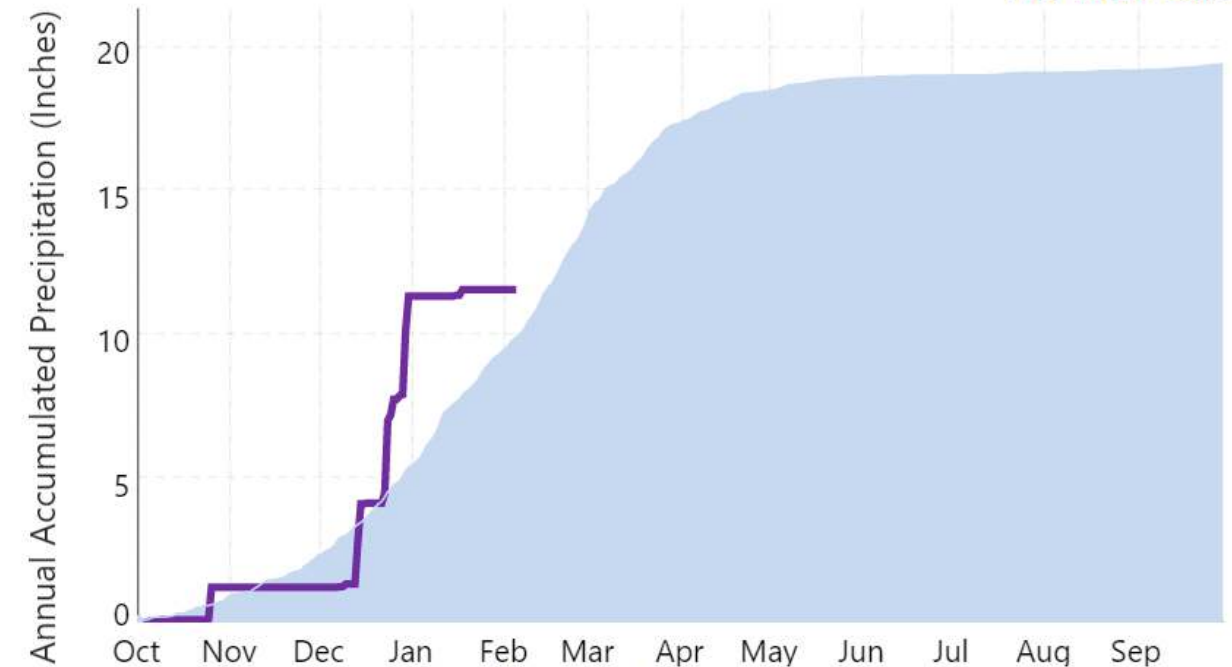


Precipitation for water year to date is 117% of historical average

Santa Clara Watershed as of 02/05/2022

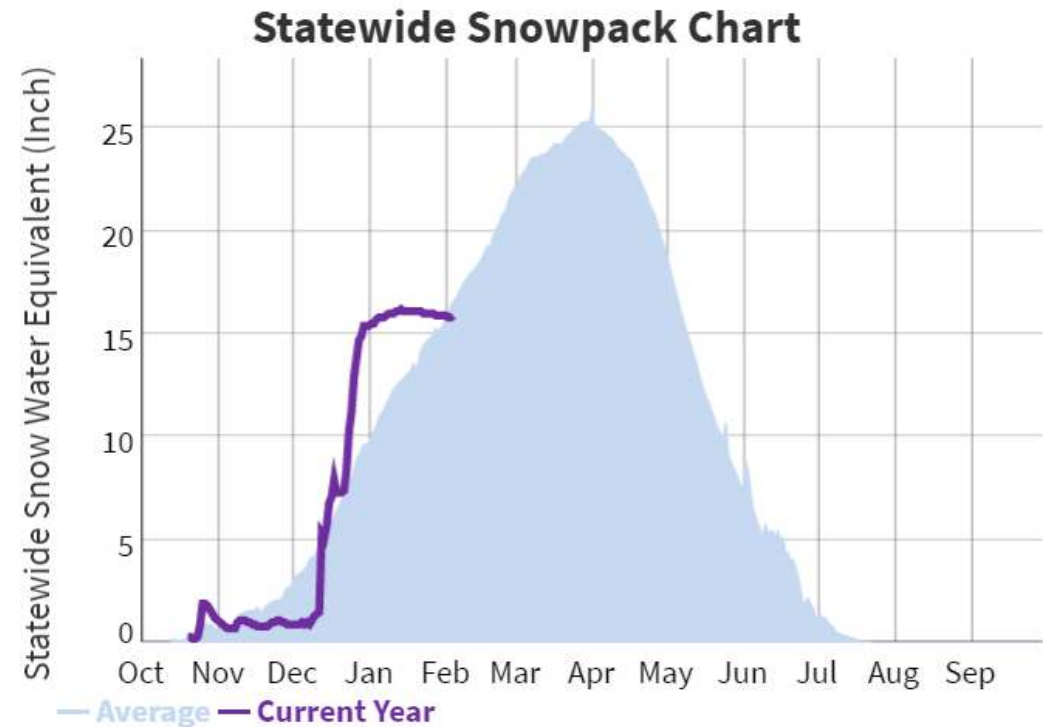
[Download Image](#)

[Plot More Years](#)



Date: 2021/10/01 — **Current: 0** — **Average: 0.03**

Statewide Snowpack



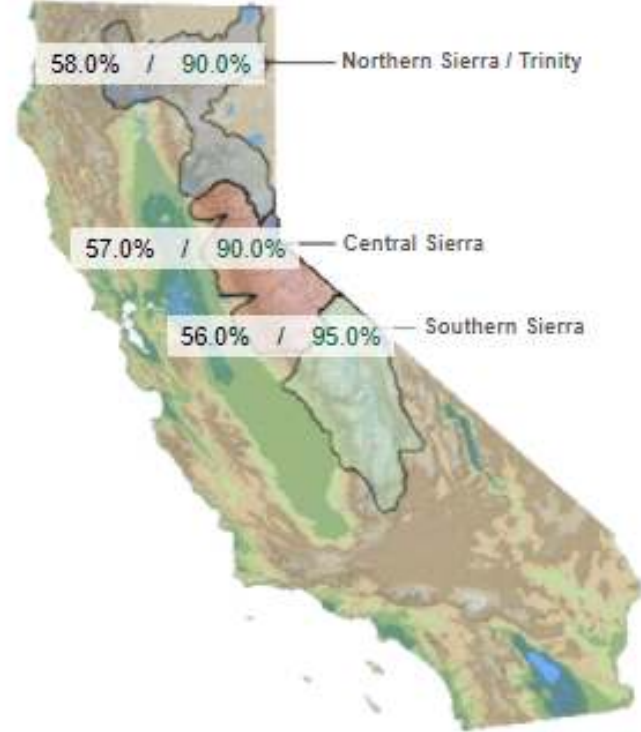
Percent of normal to date: 87% Percent of April 1st average: 57%

Snow Water Equivalents (inches)

Provided by the California Cooperative Snow Surveys

Data For: 01-Feb-2022

% Apr 1 Avg. / % Normal for this Date



Change Date:

NORTH

Data For: 01-Feb-2022

| | |
|---------------------------------|-------|
| Number of Stations Reporting | 30 |
| Average snow water equivalent | 16.8" |
| Percent of April 1 Average | 58% |
| Percent of normal for this date | 90% |

CENTRAL

Data For: 01-Feb-2022

| | |
|---------------------------------|-------|
| Number of Stations Reporting | 42 |
| Average snow water equivalent | 16.7" |
| Percent of April 1 Average | 57% |
| Percent of normal for this date | 90% |

SOUTH

Data For: 01-Feb-2022

| | |
|---------------------------------|-------|
| Number of Stations Reporting | 31 |
| Average snow water equivalent | 14.0" |
| Percent of April 1 Average | 56% |
| Percent of normal for this date | 95% |

STATEWIDE SUMMARY

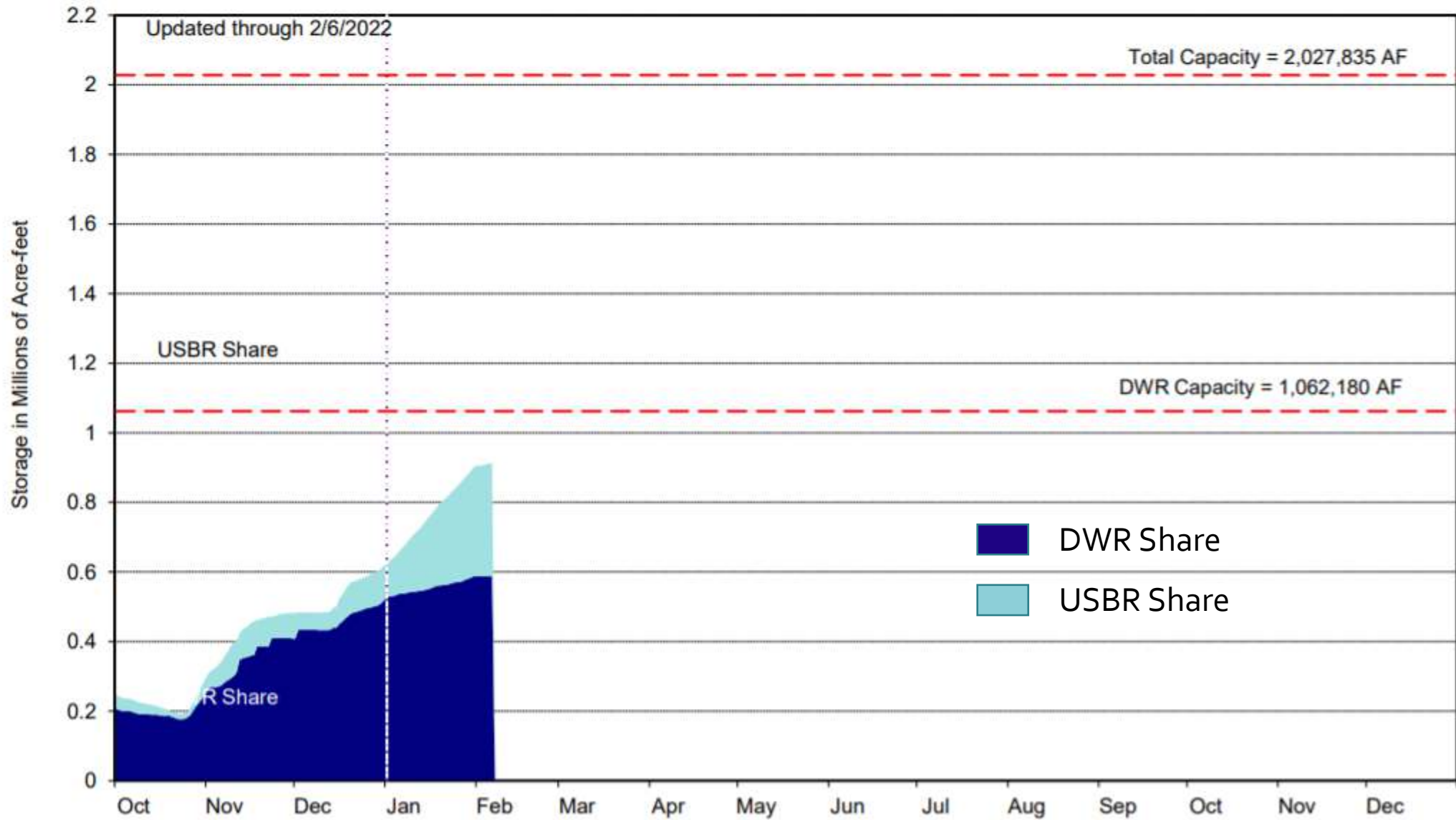
Data For: 01-Feb-2022

| | |
|---------------------------------|-------|
| Number of Stations Reporting | 103 |
| Average snow water equivalent | 16.9" |
| Percent of April 1 Average | 57% |
| Percent of normal for this date | 92% |

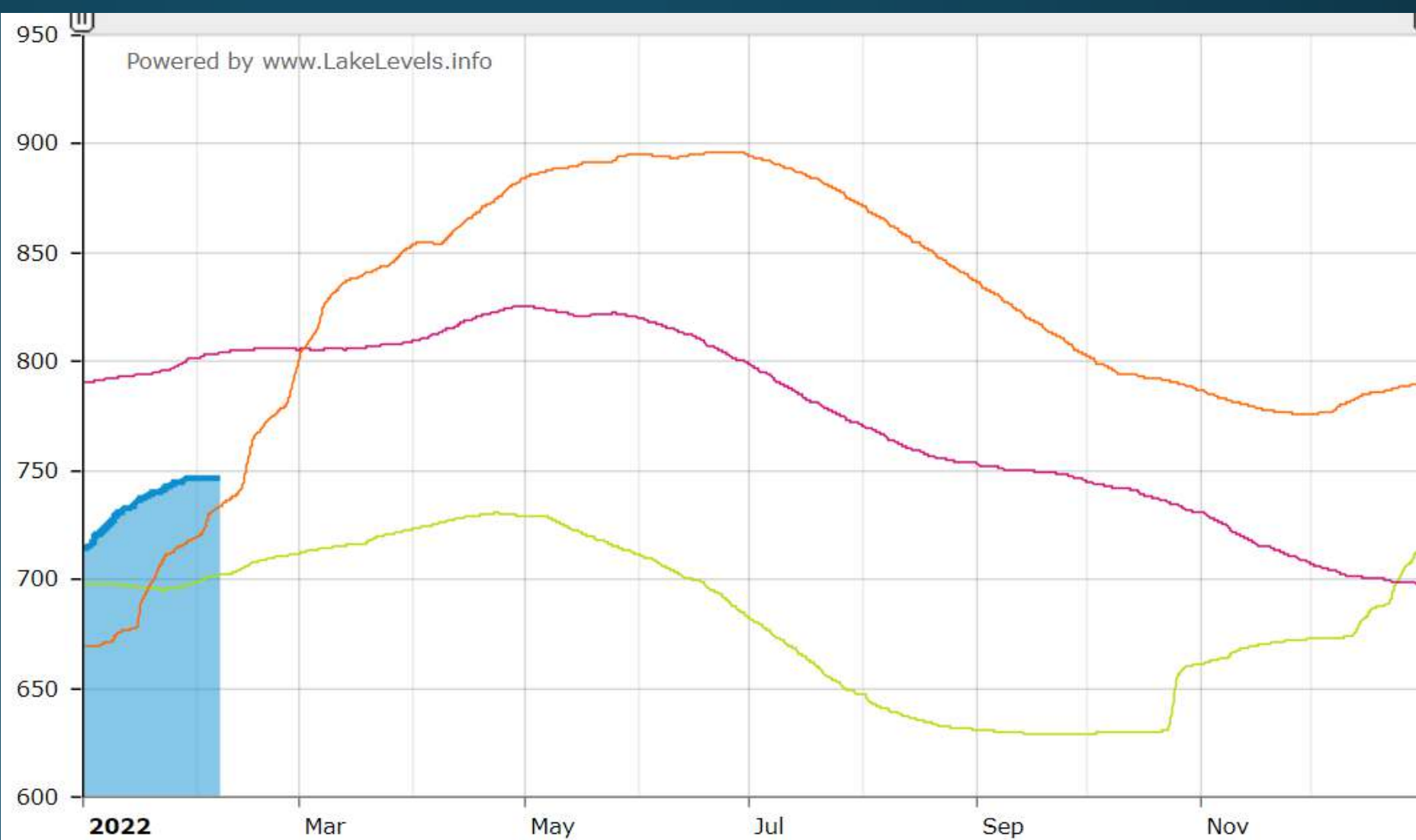
[Printable Version of Current Data](#)

San Luis Reservoir Storage

Combination Water/Calendar Year



Oroville Storage



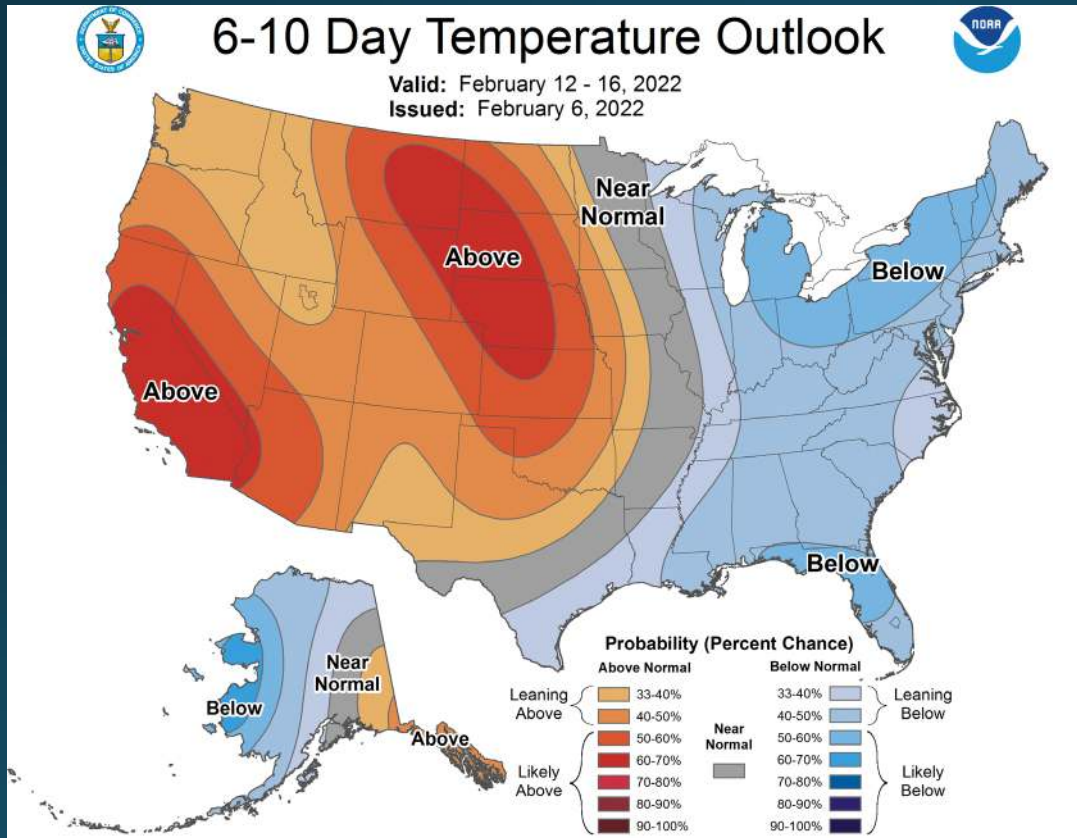
2022 2021 2020 2019 2018 2017

Level Base: MSL
Full Pool: 900.00 feet
Winter Pool: 640.00 feet
Flood Pool: 901.00 feet

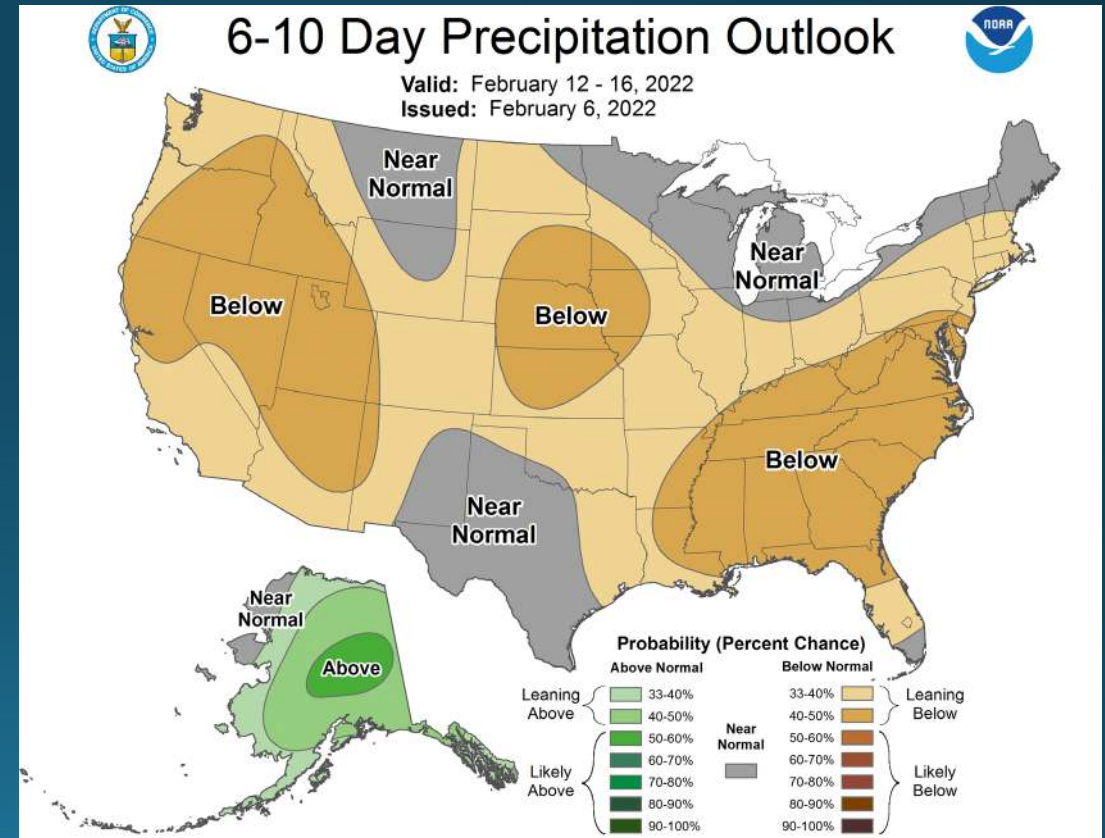
Change Since Yesterday: \uparrow 0.11 Feet
Level Controlled by:
Dam Name: Oroville ()

6-10 Day Outlook

Temperature

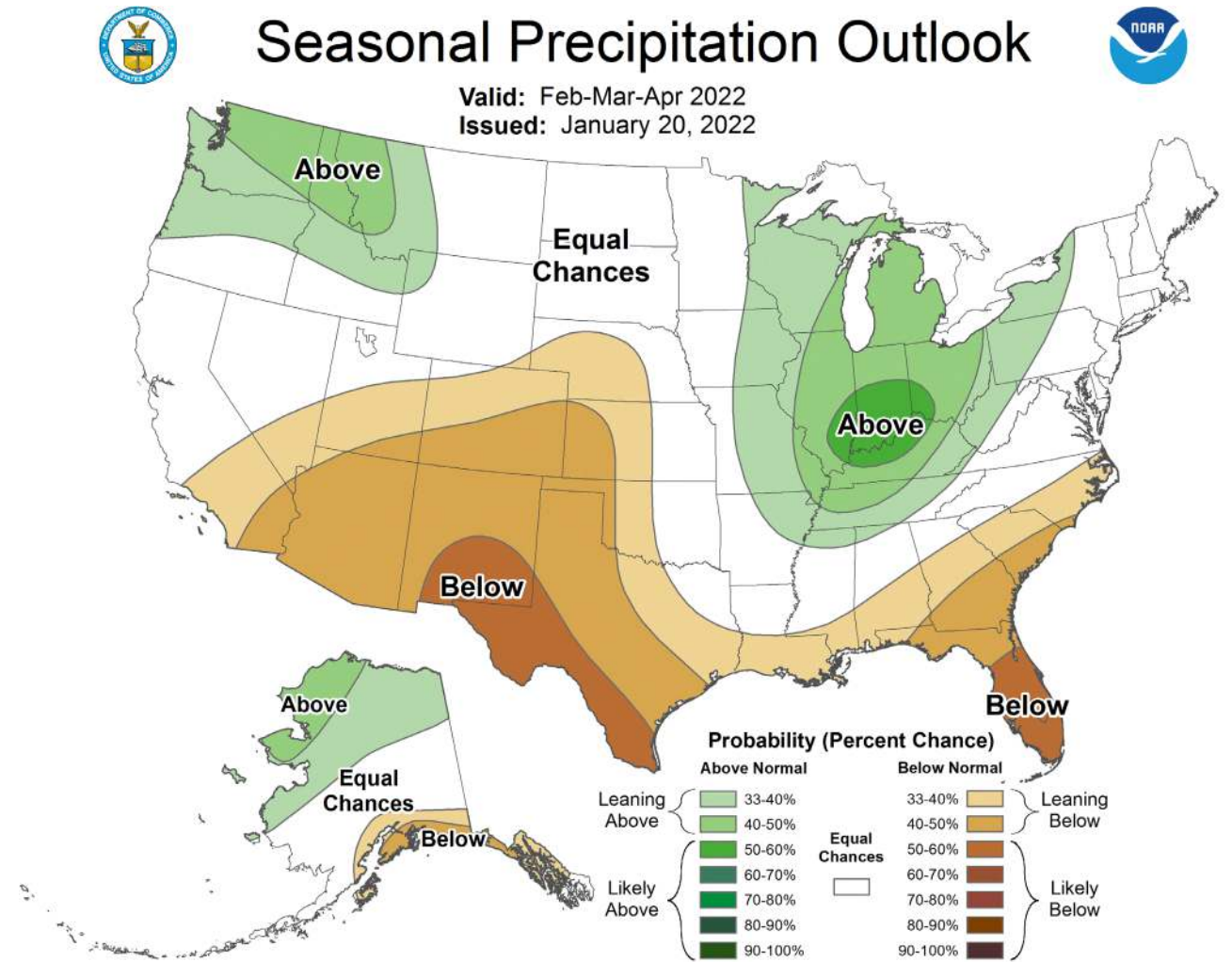


Precipitation



Feb/Mar/April Outlook

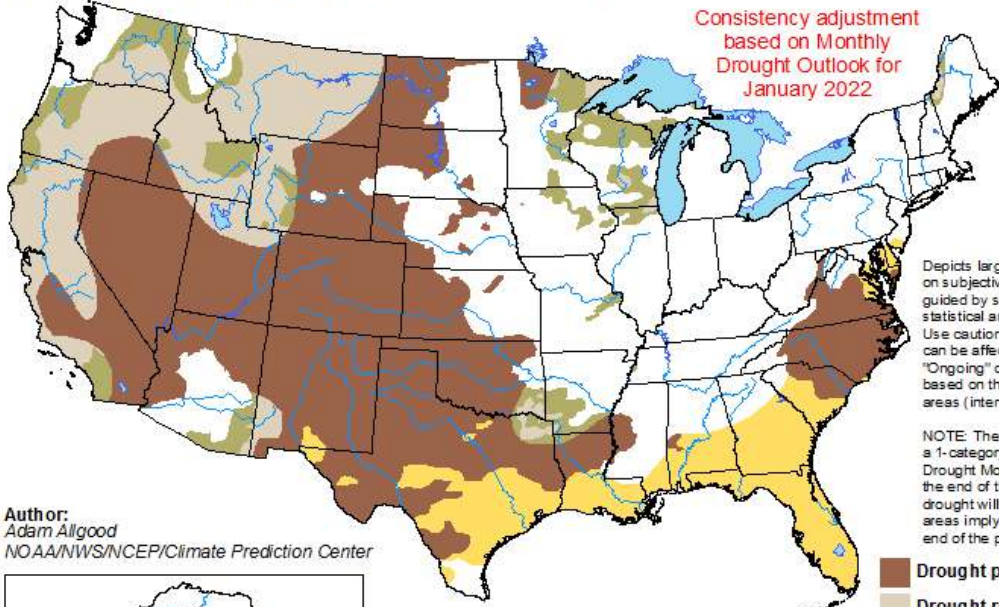
- Minimal precipitation in January
- Not much forecasted for the first week of February
- Precipitation outlook doesn't have much of a change
- February and March need at least average precipitation



U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for January 1 - March 31, 2022
Released December 31, 2021

Consistency adjustment
based on Monthly
Drought Outlook for
January 2022



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

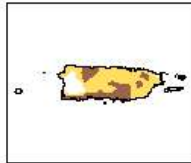
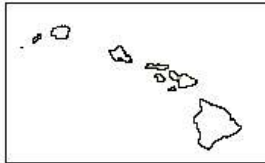
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

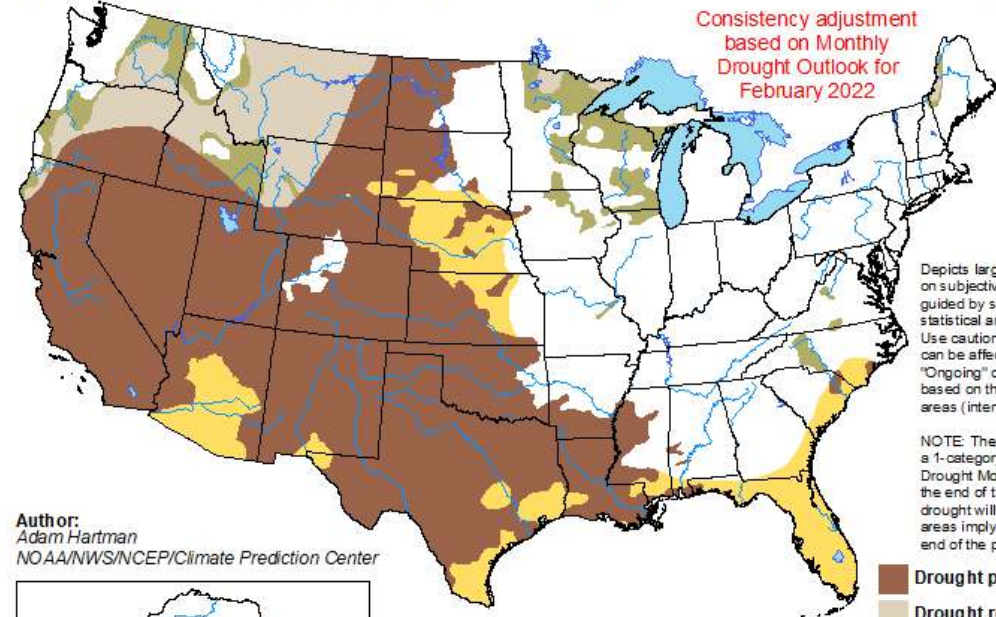
Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center



U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for February 1 - April 30, 2022
Released January 31, 2022

Consistency adjustment
based on Monthly
Drought Outlook for
February 2022



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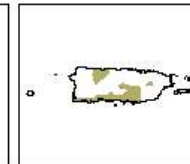
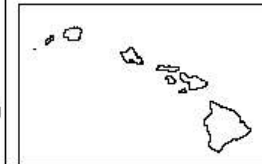
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- Drought persists
- Drought remains but improves
- Drought removal likely
- Drought development likely



<http://go.usa.gov/3eZ73>

Author:
Adam Hartman
NOAA/NWS/NCEP/Climate Prediction Center



Jan. 2022 Outlook

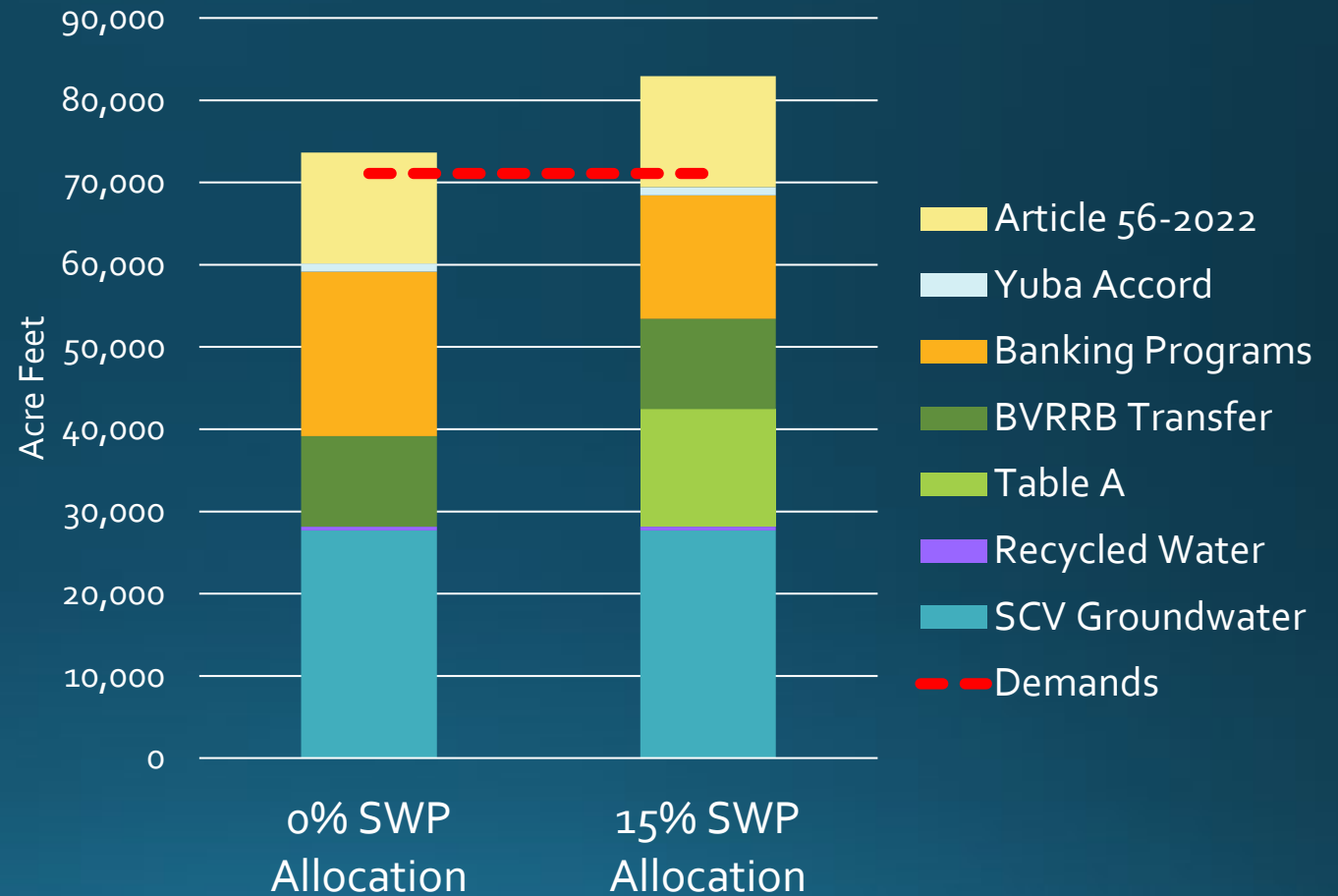
Feb. 2022 Outlook

2022 Operations Update

January SWP Allocation increase from 0% to 15%

- Decrease banking program deliveries
- Meet carryover goals for 2023

2022 Operations Allocation Update SWP Allocation 0-15%





Questions?